Index of Claims



Application/Control No.

Applicant(s)/Patent under Reexamination

METZGER, JAMES I.

Art Unit

3724

Phong H. Nguyen

10/065,276

Examiner

Rejected –

(Through numeral)
Cancelled

+ Restricted

Non-Elected
I Interference

A Appeal
O Objected

| Claim    |   | Date    |              |  |              |                |                |              |                   |                  |  |
|----------|---|---------|--------------|--|--------------|----------------|----------------|--------------|-------------------|------------------|--|
|          |   | _1      |              |  | $\neg$       |                |                |              |                   |                  |  |
| Final    | Original  | 8/19/05 |              |  |              |                |                |              |                   |                  |  |
|          | 1   | ٧       |              |  |              |                |                |              |                   |                  |  |
|          | 1<br>2<br>3<br>4<br>5   | ٧       |              |  |              |                |                |              |                   |                  |  |
|          | 3   | n       |              |  |              |                |                |              |                   |                  |  |
|          | 4   | ٧       |              |  |              |                |                |              |                   |                  |  |
|          | 5   | n       |              |  |              |                |                |              |                   |                  |  |
|          | 6   | n       |              |  |              |                |                |              |                   |                  |  |
|          | 7   | ٧       |              |  |              |                |                |              |                   |                  |  |
|          |   | n       |              |  | _            |                |                |              |                   |                  |  |
|          | 8<br>9  | ٧       |              |  |              |                |                |              |                   |                  |  |
|          | 10  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 11 '  |         |              |  |              |                |                |              |                   |                  |  |
|          | 12  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 13  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 11'<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 | n       |              |  |              |                |                |              |                   |                  |  |
|          | 15  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 16  | ٧       |              |  |              |                |                |              |                   |                  |  |
|          | 17  | V       |              |  |              |                |                |              | •                 |                  |  |
|          | 18  | ٧       |              |  |              |                |                |              |                   |                  |  |
|          | 19  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 20  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 21  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 22  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 23  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 24  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 25  | n       |              |  |              |                |                |              |                   |                  |  |
|          | 26  | n       |              |  |              |                |                |              |                   |                  |  |
| <u> </u> | 27  | l v     |              |  |              |                |                |              | <u> </u>          | _                |  |
|          | 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29                    | n       | L_           |  |              |                |                |              | <u></u>           | <u>_</u>         |  |
| L        | 29  | n       | <u> </u>     | L  | <u> </u>     |                | _              |              | _                 |                  |  |
|          | 30<br>31  | 乚       |              |  | L.           |                | L_             | _            | _                 |                  |  |
|          | 31  | n       | <u></u>      | L  |              |                | _              |              | _                 |                  |  |
|          | 32<br>33  | n       | _            | $ldsymbol{ld}}}}}}} $ | L            |                |                | _            | _                 |                  |  |
|          | 33  | ┖       | _            | _  | L            |                | _              | <u> </u>     | $ldsymbol{f eta}$ |                  |  |
|          | 34  | n       | <u> </u>     | <u> </u>   | ļ            | ļ              | <u> </u>       | <u> </u>     | <u> </u>          | <u> </u>         |  |
|          | 35  | n       | <u></u>      | <u> </u>   | <u> </u>     | <u> </u>       | <u> </u>       | <u> </u>     | <u> </u>          | ļ                |  |
| <u></u>  | 36  | n       | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>       | <u> </u>       | <u> </u>     | <u> </u>          | <u> </u>         |  |
| <u></u>  | 37  | n       |              | <u> </u>   | <u> </u>     | <u> </u>       | $\vdash$       | $\vdash$     | _                 | <u> </u>         |  |
|          | 38<br>39  | n       | ₩            | _  |              | <u> </u>       | <u> </u>       | <u> </u>     | <u> </u>          | <u> </u>         |  |
| <b> </b> | 39  | n       | <u> </u>     |  | <u> </u>     | <del> </del>   | <u> </u>       | <u> </u>     | -                 | <u> </u>         |  |
|          | 40  | n       | <b>!</b>     | <u> </u>   | <u> </u>     | <del>  -</del> | <u> </u>       | $\vdash$     | 1—                | <u> </u>         |  |
| <u> </u> | 41  | n       | <u> </u>     | <u> </u>   | $\vdash$     |                | $\vdash$       | <u> </u>     | $\vdash$          | <u> </u>         |  |
| <u> </u> | 42  | n       | -            | <u> </u>   | <u> </u>     | _              | <del> </del> — | <del> </del> | ├-                | 1-               |  |
|          | 43  | n       | ├-           | <del> </del>   | ├-           | <u> </u>       | <u> </u>       | <del> </del> | <u> </u>          | ├                |  |
| -        | 44  | V       |              | <u> </u>   | <del> </del> |                | <u> </u>       | ├            | $\vdash$          | ₩                |  |
| <u></u>  | 45  | n       | <u> </u>     | ├  | <u> </u>     | ├-             | _              | ⊢            | <u> </u>          | <del>  -</del> - |  |
| <u></u>  | 46  | n       | ├-           | -  |              |                | ├              | ├            | ⊢                 | ├                |  |
| <b>—</b> | 47  | n       | <del> </del> | $\vdash$   | <u> </u>     | ├              | $\vdash$       | ├            | $\vdash$          | <del> </del>     |  |
| $\vdash$ | 48  | ₩       | ├            | -  | ├-           | <del> </del>   | <del> </del>   | <del> </del> | ├-                | <del> </del>     |  |
| <u></u>  | 49  | ₩       | <u> </u>     | -  | <u> </u>     |                | <u> </u>       | $\vdash$     | <u> </u>          | ├                |  |
|          | 50  |         |              | <u> </u>   | L            |                | l              |              | ட                 | <u>l_</u> _      |  |

| Claim                                  |  | Date   |               |          |              |                                     |  |  |              |               |  |
|--|--|--|---------------|----------|--------------|-------------------------------------|--|--|--------------|---------------|--|
|  |  |  |               |          |              |                                     |  |  |              |               |  |
|  | Original   |  | - 1           | }        |              |                                     |  |  |              |               |  |
| Final                                  | ġ  |  | 1             |          |              |                                     |  |  |              |               |  |
| ۱ ــــــــــــــــــــــــــــــــــــ | ŏ  |  |               |          |              |                                     |  |  |              |               |  |
|  |  |  | -             |          |              | _                                   |  | _  |              | {             |  |
|  | 51   |  |               |          |              |                                     |  |  |              | _             |  |
| L                                      | 52   |  |               |          |              |                                     |  |  |              |               |  |
| 1                                      | 53   |  |               |          |              |                                     |  |  |              |               |  |
|  | 54   |  |               |          |              |                                     |  |  |              |               |  |
|  | 53<br>54<br>55<br>56                               |  |               |          |              |                                     |  |  |              | $\neg$        |  |
|  | 56   |  | _             |          |              |                                     |  |  |              | $\neg$        |  |
|  | 57   |  |               |          |              |                                     |  |  |              |               |  |
| <b>—</b>                               | 58   | $\vdash$   |               |          | _            |                                     | _  | _  |              | $\dashv$      |  |
| <del></del>                            | 58<br>59   |  |               |          | _            |                                     | -  | _  | -            | Н             |  |
|  | 59   |  | Н             |          |              | -                                   |  | _  | $\vdash$     | $\vdash$      |  |
| -                                      | 60   |  | _             | _        | -            | -                                   |  |  | $\vdash$     |               |  |
| <u> </u>                               | 61<br>62   |  |               | _        | <u> </u>     | _                                   | _  | _  | _            | _             |  |
| <u></u>                                | 62   | $\vdash$   |               | $\vdash$ |              | $\vdash$                            | $\vdash$   | <u> </u>   | $\vdash$     |               |  |
|  | 63   | L.   | _             | $\vdash$ | <u>_</u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L.   | <u> </u>   |              |               |  |
|  | 63<br>64<br>65                                     |  |               | L_       |              |                                     |  | L  |              |               |  |
|  | 65   | L  |               |          |              |                                     | L  |  |              |               |  |
|  | 66   |  |               |          |              |                                     |  |  |              |               |  |
|  | 66<br>67   |  |               |          |              |                                     |  |  |              |               |  |
|  | 68   |  |               |          |              |                                     |  |  | Г            | _             |  |
|  | 69   | ┢  | $\vdash$      | $\vdash$ |              |                                     | $\vdash$   | $\vdash$   | -            | _             |  |
|  | 69<br>70   | ⊢  | $\vdash$      | $\vdash$ | $\vdash$     | -                                   | -  | -  | -            |               |  |
|  | 70   | ⊢  |               | -        |              | ├                                   | ├  | $\vdash$   | $\vdash$     | $\vdash$      |  |
| -                                      | 70   | $\vdash$   | <u> </u>      | -        | <del> </del> | -                                   | ├—   | $\vdash$   | -            |               |  |
| <u> </u>                               | 71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | -  | <u> </u>      | -        | -            | -                                   | -  | <u> </u>   | -            | -             |  |
| <u></u>                                | /3   | <u> </u>   | <u> </u>      | <u> </u> | <u> </u>     | <u> </u>                            | -  | _  | <u> </u>     | <u> </u>      |  |
|  | 74   | <u> </u>   |               | <u></u>  |              | <u> </u>                            | _  |  | _            | _             |  |
|  | 75   | L  |               |          | _            | _                                   | _  | L.   | L            | <u> </u>      |  |
|  | 76   |  |               |          |              |                                     |  | Ŀ  |              |               |  |
|  | 77   |  |               |          |              | L                                   |  |  |              |               |  |
|  | 78   |  |               |          |              | Г                                   | Г  |  |              |               |  |
|  | 79   |  | $\overline{}$ | Г        |              | ·                                   | T-   |  |              |               |  |
|  | 80   |  | _             |          | _            |                                     | Г  |  |              |               |  |
| $\vdash$                               | 81   | <del>                                     </del> | _             | ┢        |              |                                     | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$      |  |
|  | 82   | -  | -             | ┢        | $\vdash$     | $\vdash$                            | ╁  | -  | $\vdash$     | _             |  |
|  | 82<br>83   |  | -             |          | -            |                                     | $\vdash$   |  | -            | -             |  |
| -                                      | 84   | $\vdash$   | -             | ╁        | -            | <del> </del>                        | <del>  -                                    </del> | $\vdash$   | $\vdash$     | $\vdash$      |  |
|  | 04   | -  | -             |          | -            | ├—                                  | ├-   | $\vdash$   | -            | $\vdash$      |  |
|  | 85   | $\vdash$   | -             | <u> </u> | -            | <del> </del>                        | ⊢  | ⊢  | <del> </del> | <u> </u>      |  |
| <u> </u>                               | 86   | _  | _             |          | _            | _                                   | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u>      |  |
| <u> </u>                               | 87   | _  | _             | <u> </u> | <u> </u>     | <u> </u>                            | <u> </u>   | <u> </u>   | _            | <u> </u>      |  |
| L                                      | 88   | <u> </u>   | _             | _        | _            | <u> </u>                            | _  | <u> </u>   | _            | <u> </u>      |  |
|  | 89   |  | L             |          | L            | L                                   |  |  | _            | L             |  |
|  | 90   |  |               | L        |              | L                                   |  |  |              | L             |  |
|  | 91   | Γ  |               |          |              | Ι_                                  | [  |  |              | $\overline{}$ |  |
|  | 92   | Π  | Г             |          |              | Г                                   | Г  |  |              | Π             |  |
|  | 93   | 1  | ·             |          |              | П                                   | $\vdash$   | Г  |              |               |  |
|  | 94   | Η-   |               | $\vdash$ | -            | $\vdash$                            | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$      |  |
| <b>—</b>                               | 95   | $\vdash$   | $\vdash$      | +        | 1            | 1                                   | <del>                                     </del>   | -  | <del> </del> |               |  |
|  |  | $\vdash$   | $\vdash$      | ├        | ├            | ╁                                   | $\vdash$   | -  | $\vdash$     | $\vdash$      |  |
|  | 96   | ⊢  | -             | $\vdash$ | -            | -                                   |  | ⊢  |              | -             |  |
| <u> </u>                               | 97   | -  | <b>—</b>      | <b>├</b> | _            | -                                   | $\vdash$   | ⊢-   |              | <b> </b> _    |  |
|  | 98   | <u> </u>   | <b>L</b>      | <u> </u> |              | <u> </u>                            | <b>—</b>   | _  |              | <u></u>       |  |
| 1                                      | 99   | 1  | ı             | 1        | ı            | 1                                   | i  | 1  | I            | 1             |  |

| Claim        |  | Date   |  |  |  |  |  |  |  |                 |
|--------------|--|--|--|--|--|--|--|--|--|-----------------|
|              | ı  |  |  |  |  |  |  |  |  |                 |
| <del>a</del> | Original   |  |  |  |  |  |  |  |  | ]               |
| Final        | <u> </u>   |  |  |  |  |  |  |  |  |                 |
|              | õ  |  |  |  |  |  |  |  |  | l               |
|              | 404  | _  | _  | _  |  |  |  | $\vdash$   | $\dashv$   | $\dashv$        |
|              | 101<br>102   | _  | _  |  |  |  | _  | Н  |  |                 |
|              | 102  | _  | _  | _  |  |  | _  | Щ  |  | _               |
|              | 103  |  |  |  |  | _  |  | Щ  | Щ  | Щ               |
|              | 104<br>105   | _  | _  |  |  |  |  |  |  | _               |
|              | 105  |  |  |  |  | _  |  |  |  | Ц               |
|              | 106<br>107   |  |  |  |  |  |  |  |  | _               |
|              | 107  | L  |  |  |  |  |  |  |  |                 |
|              | 108  | L  |  |  |  |  |  |  |  |                 |
|              | 109  |  |  |  |  |  |  |  |  |                 |
|              | 109<br>110   |  |  |  |  |  |  |  |  |                 |
|              | 111  |  |  |  |  |  |  |  |  |                 |
|              | 112  |  |  |  |  |  |  |  |  |                 |
|              | 113  |  |  |  |  |  |  |  |  |                 |
|              | 114  | <del>                                     </del> |  | Г  | Г  |  |  |  |  |                 |
| $\vdash$     | 114<br>115   | $\vdash$   |  |  |  |  |  |  |  | $\neg$          |
|              | 116  | _  | Ι_   | T  | T  | $\vdash$   | Т  |  |  | $\vdash$        |
| <u> </u>     | 117  | $\vdash$   | $\vdash$   | T  | T  | $\vdash$   |  | _  | _  | Н               |
| <b>—</b>     | 118  | $\vdash$   | ┢  | $\vdash$   |  | $\vdash$   | $\vdash$   | <del>                                     </del> |  | H               |
| <del></del>  | 110  | ╁  | <del> </del>                                     | $\vdash$   | $\vdash$   | $\vdash$   | -  | -  |  | Н               |
| -            | 119<br>120<br>121  | -  | $\vdash$   | ┥  | $\vdash$   | -  | <del> </del>                                     | $\vdash$   | <del> </del>                                     | Н               |
|              | 120  | $\vdash$   | $\vdash$   |  | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | Н               |
|              | 121  | -  | ├  |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash \vdash$ |
| <b>├</b>     | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 |  | -  | <u> </u>   | ⊢  | ⊢  | <u> </u>   | -  |  | $\vdash$        |
|              | 123  | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | _  | $\vdash$   |  | ⊢  | Н               |
|              | 124  | _  | <u> </u>   | Ш               |
|              | 125  | <u> </u>   | _  | <u> </u>   | Ŀ  | _  | L  | _  | L  | Щ               |
|              | 126  | <u> </u>   | _  | <u> </u>   |  | _  | L  |  | <u> </u>   |                 |
|              | 127  | <u> </u>   |  | <u> </u>   | L.   |  | L_   | <u> </u>   | L.   |                 |
|              | 128  |  |  | <u> </u>   |  |  | L_   | <u> </u>   | <u></u>  | Щ               |
|              | 129  |  | L  | _  |  | _  | $oxed{oxed}$                                     | L  |  | Ш               |
|              | 130  |  |  |  |  |  |  |  |  |                 |
|              | 131  | П  |  |  |  |  |  |  |  |                 |
|              | 132  |  |  |  |  |  |  |  |  |                 |
|              | 133<br>134   | П  | Π  |  |  |  |  |  |  |                 |
|              | 134  | $\top$   |  | Г  |  |  |  |  |  | М               |
|              | 135  |  |  |  | Г  |  |  | Г  |  | П               |
|              | 136  | 1  |  | 1  |  |  | 1  | Г  |  | Н               |
| <u> </u>     | 137  | $t^-$  |  | $\vdash$   | 1  | <del>                                     </del> |  | <del>                                     </del> | <del>                                     </del> | $\vdash$        |
| $\vdash$     | 138  | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | t  | $\vdash$   | $\vdash$   | $\vdash$   | H               |
|              | 138<br>139   | †  | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | _  | $\vdash$   | $\vdash$   | Н               |
|              | 140  | 十  | $\vdash$   | ╁  | $\vdash$   |  | <del>  -</del>                                   | ╁  | -  | Н               |
| $\vdash$     |  | ┰  | -  | +-   | ├-   | -  | +-   | ╁  | -  | Н               |
| -            | 141  | $\vdash$   | $\vdash$   | $\vdash$   | +-   | +-   | ╂  | +-   | ├-   | $\vdash$        |
| <u> </u>     | 142  | ┼  | -  | <del>  -</del>                                   | ⊢  | $\vdash$   | $\vdash$   | $\vdash$   | -  | ┝╌┤             |
| -            | 143  | ├-   | ├-   | -  | ⊢  | $\vdash$   | -  | ├-   | ⊢  | Н               |
| <u></u>      | 144  | <b>-</b>   | -  | -  | ₩  | $\vdash$   | ـــ  | <b>├</b>   | <u> </u>   | Ш               |
| <u></u>      | 145  | <u> </u>   | <u> </u>   | _  | <u> </u>   | <u> </u>   | <b>—</b>   | <u> </u>   | <u> </u>   | Ш               |
| <u></u>      | 146  | _  |  | ╙  | _  | L  | <u> </u>   | $oxed{oxed}$                                     | $oxed{oxed}$                                     | Ш               |
|              | 147  | L  |  | _  | <u> </u>   |  | <u> </u>   | L  |  |                 |
|              | 148  |  |  |  |  |  | _  |  | L  |                 |
|              | 149  |  |  |  |  | Ĺ  | L  | L  | L  |                 |
|              | 150  | Γ  |  |  |  |  |  |  |  |                 |
|              |  | _  |  |  |  |  |  | _  |  |                 |